

2nd International Workshop on
**Measurement and Metrics for Green
and Sustainable Software (MeGSuS'15)**

Collocated at IWSM-MENSURA (5-7 October)

Cracow, Poland

<http://www.iwsm-mensura.org/>

Call for Papers

With the recent proliferation of devices and applications, Information and Communication Technology (ICT) is increasing its impact on the environment due to its resource and power consumption. However, ICTs can make also a significant contribution to saving energy, by autonomous optimization efforts and by inducing changes of user behaviour attitudes and values.

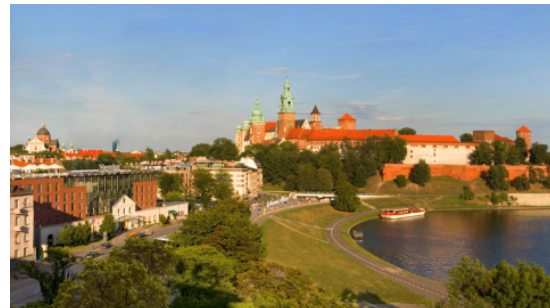
A variety of research work on Green ICT has focused on measuring the level of greenness of hardware components from an environmental perspective. In the last years, there has been an increasing interest in having clear metrics for measuring the carbon footprint of software, the amount of resources used by software, and how it affects the environmental impact of ICT. However, measuring software sustainability is a challenging task, due to the complexity of its direct and indirect effects on the environment. Besides, we need software not only environmentally but also socially, economically, and technically sustainable.

The workshop MeGSuS'15 aims to provide a forum for researchers and practitioners i) to discuss their current work on measurement practices for greening and making more sustainable software systems ii) to share experiences on metrics commonly used to assess/predict the greenness in the ICT industry (e.g. Data Centers, Embedded System Software) iii) to identify the main challenges and define a research agenda on the topic of Measurement and Metrics for Green and Sustainable Software.

Topics

MeGSuS'15 seeks contributions addressing, but not limited to, the following topics:

- Definition of metrics to assess/predict software sustainability
- Reusing existing measures to extract software "greenness" information
- Measures for predicting greenness and sustainability levels
- Relationships between traditional software metrics and green metrics
- Measurement to support green decision making
- Cost estimation model for making greener IT
- Using indicators to visualize software sustainability
- Validation of green metrics and measurement methods
- Tools for automatic collection of green measures
- Empirical studies on the effectiveness of green metrics
- Reports on measurement practices in green IT



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Important Dates

Paper Submission: **July 27, 2015**

Acceptance Notification: August 15, 2015

Camera-Ready Copy: September 4, 2015

Paper Submission and Publication

Submitted articles should be in PDF format.
8 pages for full papers,
4 pages for short and position papers.

The author can find some example templates and additional writing guidelines at <https://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0>

All contributions will be reviewed and evaluated based on (i) their ability to generate discussion, and (ii) relevance to the workshop.

The submission and review process will be done using EasyChair:

<https://easychair.org/conferences/?conf=mequs15>